

|   | Type | L # | Hits   | Search Text                | DBs   | Time Stamp          | Comments |
|---|------|-----|--------|----------------------------|---|---------------------|----------|
| 1 | BRS  | L1  | 128079 | multilayer                 | USPAT;<br>EPO;<br>JPO;<br>DER<br>WENT;<br>USOCR | 2002/12/29<br>16:25 |          |
| 2 | BRS  | L2  | 293    | 1 and (core adj substrate) | USPAT;<br>EPO;<br>JPO;<br>DER<br>WENT;<br>USOCR | 2002/12/29<br>17:31 |          |
| 3 | BRS  | L3  | 0      | 2 and (bonding adj plate)  | USPAT;<br>EPO;<br>JPO;<br>DER<br>WENT;<br>USOCR | 2002/12/29<br>16:40 |          |
| 4 | BRS  | L4  | 167    | 2 and resin                | USPAT;<br>EPO;<br>JPO;<br>DER<br>WENT;<br>USOCR | 2002/12/29<br>16:40 |          |
| 5 | BRS  | L5  | 11     | 4 and capacitor            | USPAT;<br>EPO;<br>JPO;<br>DER<br>WENT;<br>USOCR | 2002/12/29<br>16:48 |          |

|    | Type | L # | Hits | Search Text   | DBs   | Time Stamp          | Comments |
|----|------|-----|------|---|---|---------------------|----------|
| 6  | BRS  | L6  | 42   | 2 and opening   | USPAT;<br>EPO;<br>JPO;<br>DER<br>WENT;<br>USOCR | 2002/12/29<br>16:47 |          |
| 7  | BRS  | L7  | 6    | 6 and capacitor   | USPAT;<br>EPO;<br>JPO;<br>DER<br>WENT;<br>USOCR | 2002/12/29<br>16:48 |          |
| 8  | IS&R | L8  | 2    | ("6153290").PN.   | USPAT;<br>EPO;<br>JPO;<br>DER<br>WENT;<br>USOCR | 2002/12/29<br>16:52 |          |
| 9  | BRS  | L9  | 13   | ("4109296"   "4811164"  <br>"4899118"   "5055966"  <br>"5315486"   "5384434"  <br>"5387888"   "5416277"  <br>"5708559"   "5708570"  <br>"5757611"   "5814366"  <br>"6021050").PN. | USPAT   | 2002/12/29<br>16:49 |          |
| 10 | BRS  | L10 | 5    | 6153290.URPN.   | USPAT   | 2002/12/29<br>16:51 |          |
| 11 | IS&R | L11 | 2    | ("5565706").PN.   | USPAT;<br>EPO;<br>JPO;<br>DER<br>WENT;<br>USOCR | 2002/12/29<br>16:59 |          |

|    | Type | L # | Hits | Search Text   | DBs   | Time Stamp          | Comments |
|----|------|-----|------|---|---|---------------------|----------|
| 12 | BRS  | L12 | 7    | ("4322778"   "4672421"  <br>"5049978"   "5280192"  <br>"5315486"   "5331203"  <br>"5391917").PN.  | USPA<br>T   | 2002/12/29<br>16:52 |          |
| 13 | BRS  | L13 | 10   | 5565706.URPN.   | USPA<br>T   | 2002/12/29<br>18:02 |          |
| 14 | BRS  | L14 | 12   | ("4544989"   "4993148"  <br>"5014111"   "5206712"  <br>"5262351"   "5300812"  <br>"5315486"   "5508561"  <br>"5545589"   "5565706"  <br>"5757072"  <br>"5786628").PN. | USPA<br>T   | 2002/12/29<br>16:55 |          |
| 15 | BRS  | L15 | 6    | 5875100.URPN.   | USPA<br>T   | 2002/12/29<br>16:56 |          |
| 16 | BRS  | L16 | 30   | 2 and (thermosetting adj<br>resin)  | USPA<br>T;<br>EPO;<br>JPO;<br>DER<br>WEN<br>T;<br>USOC<br>R | 2002/12/29<br>17:31 |          |
| 17 | BRS  | L17 | 41   | 2 and thermosetting   | USPA<br>T;<br>EPO;<br>JPO;<br>DER<br>WEN<br>T;<br>USOC<br>R | 2002/12/29<br>17:06 |          |
| 18 | BRS  | L18 | 24   | 17 and bond\$3  | USPA<br>T;<br>EPO;<br>JPO;<br>DER<br>WEN<br>T;<br>USOC<br>R | 2002/12/29<br>17:06 |          |

|    | Type | L # | Hits | Search Text                           | DBs   | Time Stamp          | Comments |
|----|------|-----|------|---------------------------------------|---|---------------------|----------|
| 19 | BRS  | L19 | 1821 | (core adj substrate)                  | USPAT;<br>EPO;<br>JPO;<br>DER<br>WENT;<br>USOCR | 2002/12/29<br>17:31 |          |
| 20 | BRS  | L20 | 109  | 19 and (thermosetting adj resin)      | USPAT;<br>EPO;<br>JPO;<br>DER<br>WENT;<br>USOCR | 2002/12/29<br>17:32 |          |
| 21 | BRS  | L21 | 30   | 19 and (resin adj layers)             | USPAT   | 2002/12/29<br>18:06 |          |
| 22 | IS&R | L22 | 2    | ("5937493").PN.                       | USPAT;<br>EPO;<br>JPO;<br>DER<br>WENT;<br>USOCR | 2002/12/29<br>18:04 |          |
| 23 | BRS  | L23 | 1    | "3326718".PN.                         | USPAT   | 2002/12/29<br>18:05 |          |
| 24 | BRS  | L25 | 1    | 5937493.URPN.                         | USPAT   | 2002/12/29<br>18:05 |          |
| 25 | BRS  | L26 | 69   | 19 and (resin adj layer)              | USPAT   | 2002/12/29<br>18:06 |          |
| 26 | BRS  | L27 | 372  | 19 and laminat\$3                     | USPAT   | 2002/12/29<br>18:06 |          |
| 27 | BRS  | L28 | 239  | 27 and resin                          | USPAT   | 2002/12/29<br>18:07 |          |
| 28 | BRS  | L29 | 66   | 28 and (opening or reces or aperture) | USPAT   | 2002/12/29<br>18:07 |          |
| 29 | BRS  | L30 | 15   | 29 and capacitor                      | USPAT   | 2002/12/29<br>18:10 |          |

|    | Type | L # | Hits | Search Text  | DBs       | Time Stamp          | Comments |
|----|------|-----|------|--|-----------|---------------------|----------|
| 30 | BRS  | L31 | 18   | ("5103288"   "5498467"  <br>"5526449"   "5600342"  <br>"5731073"   "5766979"  <br>"5830565"   "5886413"  <br>"5886535"   "5896038"  <br>"5966022"   "5966593"  <br>"5990850"   "6046076"  <br>"6114087"   "6177181"  <br>"6216469"  <br>"6255601").PN.             | USPA<br>T | 2002/12/29<br>18:09 |          |
| 31 | BRS  | L32 | 156  | multilayer adj wiring adj<br>board   | USPA<br>T | 2002/12/29<br>18:12 |          |
| 32 | BRS  | L33 | 116  | 32 and resin   | USPA<br>T | 2002/12/29<br>18:35 |          |
| 33 | BRS  | L34 | 5    | ("4617586"   "5027253"  <br>"6038122"   "6094336"  <br>"6252761").PN.  | USPA<br>T | 2002/12/29<br>18:18 |          |
| 34 | BRS  | L35 | 19   | ("3326718"   "3624895"  <br>"3665346"   "3699011"  <br>"3949275"   "4237522"  <br>"4328531"   "4342143"  <br>"4349862"   "4453176"  <br>"4460938"   "4682414"  <br>"4705917"   "4729061"  <br>"4744008"   "4751126"  <br>"4890192"   "4910638"  <br>"4958258").PN. | USPA<br>T | 2002/12/29<br>18:19 |          |
| 35 | BRS  | L36 | 35   | 5027253.URPN.  | USPA<br>T | 2002/12/29<br>18:21 |          |
| 36 | BRS  | L37 | 12   | 19 and (resin adj insulating<br>adj layer)   | USPA<br>T | 2002/12/29<br>18:40 |          |
| 37 | BRS  | L38 | 5    | ("4710593"   "4791238"  <br>"5675299"   "5956843"  <br>"6042685").PN.  | USPA<br>T | 2002/12/29<br>18:36 |          |
| 38 | BRS  | L39 | 4    | ("4816323"   "5346750"  <br>"5766670"  <br>"6010768").PN.  | USPA<br>T | 2002/12/29<br>18:37 |          |
| 39 | BRS  | L40 | 2    | ("5590016"  <br>"5636099").PN.   | USPA<br>T | 2002/12/29<br>18:39 |          |

|    | Type | L # | Hits | Search Text  | DBs   | Time Stamp          | Comments |
|----|------|-----|------|--|---|---------------------|----------|
| 40 | IS&R | L41 | 155  | (361/763).CCLS.  | USPAT;<br>EPO;<br>JPO;<br>DER<br>WENT;<br>USOCR | 2002/12/29<br>18:40 |          |
| 41 | BRS  | L42 | 6    | ("4750246"   "5103283"  <br>"5438305"   "5539358"  <br>"5798557"  <br>"6133674").PN. | USPAT<br>T                                      | 2002/12/29<br>18:41 |          |



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DBs: USPAT; EPO; JPO; DERWENT; USOCR

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257/725

- ☒ L1: (2939) multilayer adj circuit adj board
- ☒ L2: (157) 1 and interlayer
- ☒ L3: (5) 2 and capacitor
- ☒ L4: (42) 4490429.URPN.
- ☒ L5: (6) 2 and cavity
- ☒ L6: (127929) multilayer
- ☒ L7: (8904) 6 and interlayer
- ☒ L8: (2868) 7 and resin
- ☒ L9: (1396) 8 and (substrate or (core adj substrate))
- ☒ L10: (424) 9 and (opening or openings or cavity or cavities)
- ☒ L11: (59) 10 and capacitor
- ☒ L12: (5) ("4617586" | "5027253" | "6038122" | "6094336" | "6252761").PN.
- ☒ L13: (19) ("3326718" | "3624895" | "3665346" | "3699011" | "3949275" | "42
- ☒ L14: (35) 5027253.URPN.
- ☒ L15: (283) 428/\$.ccls. and (core adj substrate)
- ☒ L16: (6) 15 and capacitor
- ☒ L17: (1817) (core adj substrate)
- ☒ L18: (391) 17 and (opening or openings or cavity or cavities)
- ☒ L19: (31) 18 and (capacitor or capacitors)
- ☒ L20: (635) 8 and (opening or openings or cavity or cavities)
- ☒ L21: (95) 20 and (capacitor or capacitors)
- ☒ L22: (7) ("4322778" | "4672421" | "5049978" | "5280192" | "5315486" | "533
- ☒ L23: (10) 5565706.URPN.
- ☒ L24: (248) (257/725).COLS.

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|---|--------------------------|---------------|-----------|------|---|------------|----------------------|-----------|--------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 1 | <input type="checkbox"/> | US 6495915 R1 | 20021217  | 17   | Flip chip package of monolithic microwave integr      | 257/728    | 257/684;<br>257/691- | 257/725   | Hsieh, Tsung-Ying et al  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2 | <input type="checkbox"/> | US 6495913 R2 | 20021217  | 15   | Semiconductor clamped stack assembly                  | 257/718    | 257/685;<br>257/686; | 257/725   | Gruning, Horst           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3 | <input type="checkbox"/> | US 6483188 R1 | 20021119  | 6    | Rf integrated circuit layout                          | 257/728    | 257/165;<br>257/206- | 257/725   | Yue, Chik Patrick et al. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4 | <input type="checkbox"/> | US 6476484 R1 | 20021105  | 7    | Heat sink dissipator for adapting to thickness change | 257/718    | 257/706;<br>257/712- | 257/725   | Liang, Robert            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5 | <input type="checkbox"/> | US 6472748 R1 | 20021029  | 9    | System and method for providing MMIC seal             | 257/728    | 219/660;<br>219/668- | 257/725   | Calvert, Carl Edward     | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6 | <input type="checkbox"/> | US 6472723 R1 | 20021029  | 12   | Substrate contacts and shielding devices in a semic   | 257/659    | 257/503;<br>257/508- | 257/725   | Jarstad, Tomas et al.    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7 | <input type="checkbox"/> | US 6469377    | 20021022  | 12   | Semiconductor device                                  | 257/686    | 257/725;             | 257/725   | Kondo, Yoichiro          | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

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